

Stacked Table Assembly

BACKGROUND OF THE INVENTION

1) FIELD OF THE INVENTION

The invention herein relates to a stacked table assembly structure having
5 extension and retraction capability to suit environmental space conditions or
accommodate use by numerous persons.

2) DESCRIPTION OF THE PRIOR ART

Conventional table structures are fixed-dimension structures. Since such
tables can only be placed next to each other, their physical size takes up
10 considerable space, which inconveniences their arrangement, storage, and shipping.
The said existent shortcomings of prior art table structures often cause user
difficulties as substantiated above. As such, manufacturers are searching for
breakthroughs in their production design.

SUMMARY OF THE INVENTION

15 The primary objective of the invention herein is to provide a stacked table
assembly structure in which since the table is in a stacked configuration, the
tabletop area is not subject to space limitations, but can be adjustably extended and

retracted to suit space availability, save space and, furthermore, facilitate shipping, the present invention is thus submitted as a new patent application.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is an isometric drawing of the stacked table invention herein when
5 extended.

Figure 2 is an isometric drawing of the stack table invention herein when retracted.

Figure 3 is an exploded drawing of the invention herein.

Figure 4 is an exploded drawing of the upper level table of the invention
10 herein.

Figure 5 is an exploded drawing of the lower level table of the invention herein.

Figure 6 is a drawing of the extended stacked desk invention herein, as viewed from the front.

15 Figure 7 is a drawing of the retracted stacked desk invention herein, as viewed from the front.

Figure 8 is an isometric drawing of the invention herein with the upper level table and the lower level table set at a right angle.

DETAILED DESCRIPTION OF THE INVENTION

Referring to FIG. 3, the structural drawing of the invention herein, the stacked table assembly structure of the present invention is comprised of components, including a main table 1, primary leg rods 2, an upper level table 3, upper level table long leg rods 4, upper level table short leg rods 5, a lower level table 6, lower level table long leg rods 7, lower level table short leg rods 8, anti-slip cushions 9, and coaster wheels 10, wherein:

The main table 1 consists of a plurality of primary table legs 2 postured vertically on the floor for support and a minimum of two tables stacked under its tabletop.

The upper level table 3, as indicated in FIG. 4, must be a flat surface situated beneath the main table 1 tabletop and have a surface area that is smaller than that of the main table 1 top; long leg rods 4 and short leg rods 5 of different height are disposed below at the two sides of the said tabletop, with the short leg rods 5 stacked above the lower level table 6; anti-slip cushions 9 affixed to the bottom sections of the short leg rods 5 to maintain position such that the lower level table 6 cannot roll out; the long leg rods 4 at the other side are vertically situated on the floor for support, coaster wheels 10 are mounted on their bottom sections, and the height of the long leg rods 4 including the coaster wheels 10 must be equal to the stacked height of both the short legs rods 4 and the lower level table

6 such that its tabletop is horizontal and capable of outward and inward movement utilizing the coaster wheels 10 to thereby extend or retract.

The lower level table 6, as indicated in FIG. 5, must be a flat surface situated beneath the main table 1 tabletop and have a surface area that is smaller
5 than that of the main table 1 tabletop, the upper level table 3 is horizontally stacked above the lower level horizontal table top; long leg rods 7 and short leg rods 8 of different height are disposed below at the two sides of the lower level table 6, each vertically situated on the floor for support, with anti-slip cushions 9 affixed to the long leg rods 7 and coaster wheels 10 mounted on the short leg rods 8; and the
10 height of the short leg rods 8 including the coaster wheels 10 must be equal to the height of the long leg rods 7 such that they are of an even stature and, furthermore, the lower level table 6 and the upper level table 3 above it are capable of coordinated movement outward and inward to thereby extend or retract.

In another embodiment of the stacked table of the invention herein,
15 referring to FIG. 8, the upper level table 3 rests on the short leg rods 5, the upper level table 3 is perpendicular to and above the lower level table 6, and the tabletops are stacked in an inverted L-shaped arrangement, with anti-slip cushions 9 affixed to the bottom sections of the short leg rods 5 such that the lower level table 6 does not roll out; the long leg rods 4 at the other side are vertically situated on the floor
20 for support, coaster wheels 10 are mounted on the bottom sections of the long leg

rods 4, and the height of the long leg rods 4 including the coaster wheels 10 must be equal to the stacked height of both the short legs rods 4 and the lower level table 6 such that the stacked table is presented in a different spatial configuration.

Referring to FIG. 1 and FIG. 2 of the invention herein, when the said stacked table is placed in a room, the tabletops can be extended or retracted to suit environmental space conditions or accommodate use by numerous persons; referring to FIG. 6 and FIG. 7 of the invention herein, the anterior views of the stacked table illustrate that the present invention occupies less area and facilitates utilization such that it is not subject to the fixed size limitations of prior art tables.

In summation of the foregoing section, since the invention here improves upon the existent shortcomings of the prior art due to its technological development limitations and effectively increases product utility, the present invention meets the patent application requirement of progressiveness and is submitted to the patent bureau for review and the granting of the commensurate patent rights.